

CLAIM OR CLAIMS

1. A sliding door security insert assembly installable into an opening made when one sliding door mounted for lateral movement in a door frame including aligned parallel upper and lower tracks and vertical door jambs defining spaced edges of the door frame, the sliding door including spaced upright door stiles, is partially opened to define the opening between one door jamb and a facing one of the door stiles, said assembly comprising:

a substantially rectangular insert frame having two spaced upright insert frame stiles and spaced upper, lower and intermediate transverse members connected to and extending between said insert frame stiles;

said lower transverse member adapted to be supported on the lower track while said upper transverse member is adapted to be positioned into the upper track for lateral sliding movement only of said assembly;

an elongated locking shim positionable between said upper transverse member and the upper track preventing said insert frame from being lifted a distance sufficient to disengage said lower transverse member from the lower track;

a pair of offset locking pins, one pin of which is attached to and laterally extends from one said insert frame stile and adapted to be inserted into a mating first hole formed into the facing sliding door stile while another pin of said pair of locking pins is attached to and laterally extends from the facing sliding door stile adjacent to the first hole

and in alignment with a second hole formed into said insert frame stile whereby said insert frame and the sliding door are connected together by said locking pins when said insert frame is positioned in the opening and against the sliding door.

2. A sliding door security insert assembly installable into an opening made when one sliding door mounted for lateral movement in a door frame including aligned parallel upper and lower tracks and vertical door jambs defining spaced edges of the door frame, the sliding door including spaced upright door stiles, is partially opened to define the opening between one door jamb and a facing one of the door stiles, said assembly comprising:

a substantially rectangular insert frame having two spaced upright insert frame stiles and spaced upper, lower and intermediate transverse members connected to and extending between said insert frame stiles;

said insert frame having a height substantially less than that of the sliding door;

said lower transverse member adapted to be supported on the lower track;

a height compensating top member coupled to and upwardly extending from, said top member adjustable to vary an overall height of said insert assembly to be substantially equal to that of the sliding door, an upper margin of said top member being adapted to be positioned into the upper track for lateral sliding movement only of said assembly.

3. A sliding door securing insert assembly as set forth in Claim 2, further comprising:

a pair of offset locking pins, one pin of which is threadably attached to and laterally extends from one said insert frame stile and adapted to be inserted into a mating first hole formed into the facing sliding door stile while another pin of said pair of locking pins is threadably attached to and laterally extends from the facing sliding door stile adjacent to the first hole and in alignment with a second hole formed into said insert frame stile whereby said insert frame and the sliding door are connected together by said locking pins when said insert frame is positioned in the opening and against the sliding door.

4. A sliding door securing insert assembly as set forth in Claim 2, wherein said top member includes:

a height compensating top panel attachable to and upwardly extending from, said upper transverse member, said top panel, in combination with said insert frame having an overall height substantially equal to that of the sliding door, said top panel being adapted to be positioned into the upper track for lateral sliding movement only of said assembly.

5. A sliding door securing insert assembly as set forth in Claim 2, wherein said top member includes:

a U-shaped height compensating member having spaced parallel downwardly extending legs and a horizontal transverse member which defines said upper margin;

said spaced legs being slidably engageable for substantially only longitudinal movement with respect to an upper end of said insert frame;

elongated threaded height adjusting members coupled between the upper end of said insert frame and said height compensating member to effect vertical height adjusting movement and securement of said height compensating member and the upper end of said insert frame whereby the overall height of said insert assembly is variable.

6. A sliding door security insert assembly installable into an opening made when one sliding door mounted for lateral movement in a door frame including aligned parallel upper and lower tracks and vertical door jambs defining spaced edges of the door frame, the sliding door including spaced upright door stiles, is partially opened to define the opening between one door jamb and a facing one of the door stiles, said assembly comprising:

a substantially rectangular insert frame having two spaced upright insert frame stiles and spaced upper, lower and intermediate transverse members connected to and extending between said insert frame stiles;

said lower transverse member adapted to be supported on the lower track
while said upper transverse member is adapted to be positioned into
the upper track for lateral sliding movement only of said assembly;
two opposing elongated upright channels each having an L-shaped cross
section, one flange of which is attached to, and at least partially
coextensive with, an edge surface of said insert frame stile which
faces the door stile, another flange of each said channel positioned
against corresponding opposite side surfaces of the facing door stile,
lateral positioning of said channels being adjustable to accommodate
a difference in thickness between said insert frame and sliding door.